

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| L1 | 5285 | cool\$3 with (battery or accumulator) with (fan or coolant) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/12/11 09:26 |
| L2 | 3539 | L1 and temperature | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/12/11 09:26 |
| L3 | 2159 | L2 and (charg\$3 or voltage) and (fan or coolant) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/12/11 09:26 |
| L4 | 240 | L3 and ("320"/\$.ccls. or "324"/\$.ccls.) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/12/11 09:26 |
| L5 | 110 | L4 and @py<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/12/11 09:26 |
| L6 | 0 | L5 and @pd>="20060705" | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/11 09:28 |
| L7 | 1206 | ((320/143,150,151,156,161,158,144,153) or (324/430/431)).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/12/11 09:28 |
| L8 | 60 | L7 and @pd>="20060101" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/12/11 09:28 |
| L9 | 25 | L8 and @pd>="20060705" | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/11 09:29 |
| L10 | 9414 | ((charger or charging) same (battery or accumulator or storage)) and temperature and ((first or one) with voltage) and ((second or two) with voltage) and (compar\$4 or different\$4) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/11 09:29 |

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|-----|------|--|------------------------------|----|----|------------------|
| L11 | 7275 | L10 and (storage or storing or memory or ROM or RAM) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/11 09:29 |
| L12 | 5635 | L11 and ((compar\$4 or different\$4 or difference) with voltage) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/11 09:29 |
| L13 | 2402 | L12 and (cool\$3 or ((reduc\$4 or lower\$3) with temperature)) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/11 09:29 |
| L14 | 986 | L13 and (micro\$1processor or CPU or (central\$1processing\$1unit)) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/11 09:29 |
| L15 | 394 | L14 and (nickel\$1metal\$1hydride or nickel\$1cadmium or lead\$1acid or lithium\$1ion or Ni\$1MH or Ni\$1Cd or Pb\$1acid or Li\$1ion) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/11 09:29 |
| L16 | 321 | L15 and (apply\$3 or charge) and ((complet\$3 or finish\$3 or stop\$4 or end\$3 or terminat\$3) same charg\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/11 09:29 |
| L17 | 48 | L16 and @pd>="20060101" | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/11 09:29 |
| L18 | 20 | L17 and @pd>="20060705" | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/11 09:31 |
| L19 | 72 | (battery AND temperature AND (charg\$3 same temperature) AND ((maintain\$3 or hold\$3 or keep\$3 or steady) same ((threshold or limit or certain or specific or value) with temperature))).clm. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/11 09:34 |
| L20 | 29 | ((battery or cell or storage) AND temperature AND (charg\$3 same temperature) AND ((maintain\$3 or hold\$3 or keep\$3 or steady) same ((threshold or limit or certain or specific or value) same temperature))).clm. | US-PGPUB | OR | ON | 2006/12/11 09:36 |
| L21 | 111 | ((battery or cell or storage) AND temperature AND (charg\$3 same temperature) AND ((maintain\$3 or hold\$3 or keep\$3 or steady) same temperature))).clm. | US-PGPUB | OR | ON | 2006/12/11 10:11 |
| L22 | 404 | ((battery or cell or storage) AND temperature AND (charg\$3 same temperature) AND ((maintain\$3 or hold\$3 or keep\$3 or steady) same temperature))).clm. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/11 09:37 |

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|-----|------|--|---|----|-----|------------------|
| L23 | 360 | ((battery or cell or storage) AND temperature AND (charg\$3 same temperature) AND ((maintain\$3 or hold\$3 or keep\$3 or steady) with temperature)).clm. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/11 09:37 |
| L24 | 6 | ((("6016047") or ("5617006") or ("5304416"))).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/12/11 10:12 |
| L25 | 2 | ("5374416").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/12/11 10:12 |
| L26 | 2 | ("5364416").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/12/11 10:13 |
| L27 | 2 | ("5304416").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/12/11 10:13 |
| L28 | 2 | ("5324416").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/12/11 10:18 |
| L29 | 4661 | battery and (maintain near temperature) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/11 10:30 |
| L30 | 154 | battery and (maintain\$3 near temperature) and "320"/\$.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/11 10:30 |
| L31 | 78 | battery and (maintain near temperature) and "320"/\$.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/11 10:30 |
| L32 | 67 | battery same (maintain near temperature) and "320"/\$.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/11 10:31 |
| L33 | 200 | battery same (maintain\$3 near2 temperature) and "320"/\$.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/11 10:32 |

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|-----|------|--|--|----|-----|------------------|
| S1 | 95 | (320/158).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/01/06 14:49 |
| S2 | 4 | ((("6433517") or ("5714866"))).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/01/06 16:30 |
| S3 | 23 | (320/144).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/01/06 16:31 |
| S4 | 132 | (320/153).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT. | OR | OFF | 2006/01/06 16:31 |
| S8 | 924 | ((320/143,150,151,156,161) or (324/430/431)).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/01/09 10:47 |
| S9 | 18 | ("20020140405" "4659977" "5157320" "5339018" "5430363" "5623197" "5710507" "5872453" "5978719" "6150793" "6202615" "6232748" "6252377" "6363315" "6481406" "6563288" "6630810" "6647939").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/09 09:20 |
| S10 | 4 | ("5038728" "5347966" "5721688" "5898282").PN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/09 10:23 |
| S11 | 8500 | ((charger or charging) same (battery or accumulator or storage)) and temperature and ((first or one) with voltage) and ((second or two) with voltage) and (compar\$4 or different\$4) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/09 10:30 |
| S12 | 6531 | S11 and (storage or storing or memory or ROM or RAM) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/09 10:29 |
| S13 | 4674 | S12 and ((compar\$4 or different\$4) with voltage) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/09 10:40 |

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|-----|------|---|---|----|-----|------------------|
| S14 | 1789 | S13 and (micro\$1processor or CPU or (central\$1processing\$1unit)) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/09 10:33 |
| S15 | 1217 | S13 and cool\$3 | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/09 10:32 |
| S16 | 1965 | S13 and (cool\$3 or ((reduc\$4 or lower\$3) with temperature)) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/09 10:41 |
| S17 | 802 | S16 and (micro\$1processor or CPU or (central\$1processing\$1unit)) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/09 10:41 |
| S18 | 328 | S17 and (nickel\$1metal\$1hydride or nickel\$1cadmium or lead\$1acid or lithium\$1ion or Ni\$1MH or Ni\$1Cd or Pb\$1acid or Li\$1ion) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/07/09 20:31 |
| S19 | 5052 | S12 and ((compar\$4 or different\$4 or difference) with voltage) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/09 10:40 |
| S20 | 2145 | S19 and (cool\$3 or ((reduc\$4 or lower\$3) with temperature)) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/09 10:41 |
| S21 | 854 | S20 and (micro\$1processor or CPU or (central\$1processing\$1unit)) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/09 10:41 |
| S22 | 342 | S21 and (nickel\$1metal\$1hydride or nickel\$1cadmium or lead\$1acid or lithium\$1ion or Ni\$1MH or Ni\$1Cd or Pb\$1acid or Li\$1ion) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/09 10:42 |
| S23 | 275 | S22 and (apply\$3 or charge) and ((complet\$3 or finish\$3 or stop\$4 or end\$3 or terminat\$3) same charg\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/09 10:46 |
| S24 | 159 | S23 and cool\$3 | US-PGPUB; USPAT; USOCR | OR | ON | 2006/01/09 10:48 |
| S25 | 1148 | ((320/143,150,151,156,161,158, 144,153) or (324/430/431)).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/01/09 10:48 |
| S26 | 14 | S24 and S25 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/01/09 10:48 |

EAST Search History

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|-----|------|---|--|----|-----|------------------|
| S27 | 2 | ("5049804").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/01/09 15:56 |
| S28 | 4755 | cool\$3 with (battery or accumulator) with (fan or coolant) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/01/11 16:57 |
| S29 | 3133 | S28 and temperature | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/01/11 16:58 |
| S30 | 1894 | S29 and (charg\$3 or voltage) and (fan or coolant) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/01/11 16:58 |
| S31 | 205 | S30 and ("320"/\$.ccls. or "324"/\$.ccls.) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/01/11 16:59 |
| S32 | 110 | S31 and @py<="2002" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/01/11 17:03 |
| S33 | 21 | S32 and charger and (process\$3 or method or micro\$1processor) and (memory or ROM or RAM or storage\$medium) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT. | OR | ON | 2006/01/11 17:04 |
| S34 | 1182 | ((320/143,150,151,156,161,158,144,153) or (324/430/431)).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT. | OR | OFF | 2006/07/09 20:29 |
| S35 | 36 | S34 and @pd>="20060101" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT. | OR | ON | 2006/07/09 20:30 |

EAST Search History

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|-----|------|---|---|----|-----|------------------|
| S48 | 1116 | ((maintain\$3 with temperature) same battery) same charg\$3) and (charg\$3 with (control\$3 or regulat\$3)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/12/10 22:13 |
| S49 | 96 | (320/158).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/12/10 22:13 |
| S50 | 4 | ((("6433517") or ("5714866"))).PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/12/10 22:13 |
| S51 | 24 | (320/144).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/12/10 22:13 |
| S52 | 134 | (320/153).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/12/10 22:13 |
| S53 | 979 | ((320/143,150,151,156,161) or (324/430/431)).CCLS. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | OFF | 2006/12/10 22:13 |
| S54 | 9414 | ((charger or charging) same (battery or accumulator or storage)) and temperature and ((first or one) with voltage) and ((second or two) with voltage) and (compar\$4 or different\$4) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/10 22:13 |
| S55 | 7275 | S54 and (storage or storing or memory or ROM or RAM) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/10 22:13 |
| S56 | 5215 | S55 and ((compar\$4 or different\$4) with voltage) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/10 22:13 |
| S57 | 2061 | S56 and (micro\$1processor or CPU or (central\$1processing\$1unit)) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/10 22:13 |
| S58 | 5285 | cool\$3 with (battery or accumulator) with (fan or coolant) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/12/10 22:13 |

EAST Search History

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|-----|------|--|---|----|----|------------------|
| S59 | 3539 | S58 and temperature | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/12/10 22:13 |
| S60 | 2159 | S59 and (charg\$3 or voltage) and (fan or coolant) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/12/10 22:13 |
| S61 | 240 | S60 and ("320"/\$.ccls. or "324"/\$.ccls.) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/12/10 22:13 |
| S62 | 247 | S48 and (S49 or S50 or S51 or S52 or S53 or S57 or S61) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/12/10 22:26 |
| S63 | 38 | (battery AND temperature AND (charg\$3 same temperature) AND ((maintain\$3 or hold\$3 or keep\$3) same ((threshold or limit or certain or specific) with temperature))). clm. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/11 09:32 |
| S64 | 1 | ("4424476").PN. OR ("6707273"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/12/11 09:22 |

EAST Search History

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|-----|------|---|---|----|----|------------------|
| S36 | 9001 | ((charger or charging) same (battery or accumulator or storage)) and temperature and ((first or one) with voltage) and ((second or two) with voltage) and (compar\$4 or different\$4) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/07/09 20:31 |
| S37 | 6948 | S36 and (storage or storing or memory or ROM or RAM) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/07/09 20:31 |
| S38 | 5376 | S37 and ((compar\$4 or different\$4 or difference) with voltage) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/07/09 20:31 |
| S39 | 2286 | S38 and (cool\$3 or ((reduc\$4 or lower\$3) with temperature)) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/07/09 20:31 |
| S40 | 928 | S39 and (micro\$1processor or CPU or (central\$1processing\$1unit)) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/07/09 20:31 |
| S41 | 373 | S40 and (nickel\$1metal\$1hydride or nickel\$1cadmium or lead\$1acid or lithium\$1ion or Ni\$1MH or Ni\$1Cd or Pb\$1acid or Li\$1ion) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/07/09 20:31 |
| S42 | 302 | S41 and (apply\$3 or charge) and ((complet\$3 or finish\$3 or stop\$4 or end\$3 or terminat\$3) same charg\$3) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/07/09 20:31 |
| S43 | 29 | S42 and @pd>="20060101" | US-PGPUB; USPAT; USOCR | OR | ON | 2006/07/09 20:36 |
| S44 | 5035 | cool\$3 with (battery or accumulator) with (fan or coolant) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/07/09 20:36 |
| S45 | 3347 | S44 and temperature | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/07/09 20:36 |
| S46 | 2035 | S45 and (charg\$3 or voltage) and (fan or coolant) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/07/09 20:36 |
| S47 | 129 | S46 and @pd>="20060101" | US-PGPUB; USPAT; USOCR | OR | ON | 2006/07/09 20:36 |